

First & Final Bill

Work CODE : 009-17-000055,

M. A. R. 57 (Rule 116)

Measurement Book

No. B 357965

Est. Cost: 10.00 lakhs

Head of A/c = P-3110

Serial No.
Name of Work Providing CC camera at Garbage Block From Spots in ward no: 9

Name of Contractor of nature of Agency Executive Engineer, KRIDL, Rlore-10

Date of commencement of work BBMP/EE/BTP/Wd/16/2018-19, Date: 06.07.2018.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	① Outdoor plz IP cameras with 20x optical zoom with controller along with suitable mounting system (PTZ Pan Tilt and zoom feature is available in this camera can be controlled by the software for pan tilt and zoom feature at the control center and can be programmed to view at different angles and zoom level continuously it operates at day and night and the viewing distance at clarity is about 100m	1x1	-	-	-	1.0	Nos
	② Bracket (corner mount/pole mount wall mount) for mounting the PTZ camera						
	1) Defence Lpt Garbage (5th cross at Block Spot.)	1x1	-	-	-	1.0	Nos

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	2) Doddabommasandra (Near Vyasa School Road Krishnadhama opposite)	1x1	-	-	-	1.0	Nos
	3) Sir. M.V. Layout (Near GKVK Double Road)	1x1	-	-	-	1.0	Nos
	4) Canara bank Layout (Near Ganesh Temple and park)	1x1	-	-	-	1.0	Nos
	5) Navasipura (Doggaparameshwari Temple Arch near)	1x1	-	-	-	1.0	Nos
	6) BEL Lvt at 3rd Block (Ganesh Temple Near)	1x1	-	-	-	1.0	Nos
Total: 6.00							Nos

Serial No.
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date 1	Full description, etc, of work 2	
	3) Outdoor Sonometer Ip camera and Cam provide a viewing 1) Defence layout at 5th cross, Garbage Block spot, 2) Doddabommasandra (Near Vyasa School Road opposite Krishnadhama Temple) 3) Sir. M.V. Layout GKVK Double Road 4) Canara bank Lvt (Near Ganesh Temple &	1 1 1 1

357966

Date of commencement of work		Dimensions				Contents 7	Reference to last Measurement 8
Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6		
3)	Outdoor 50meter IP cameras with IR and mounting Bracket (with IR for day and night vision and provide a viewing distance of 50 meter.						
	1) Defence layout at 5th cross, Garbage Black spot.	1x1	—	—	—	1.00	Nos
	2) Daddabonmasandra (Near Vyasa School Road opposite Krishnadhama Temple)	1x1	—	—	—	1.0	Nos
	3) Sir. M.V. Layout GKVK Double Road	1x1	—	—	—	1.0	Nos
	4) Canara bank Lyt (Near Ganesh Temple & park)	1x1	—	—	—	1.0	-1-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5) Narasipura (New Durgaparameshwari Temple Arch)	1x1	-	-	-	1.0	Nos
	6) BEL Layout (3rd Block Near Ganesh Temple).	1x1	-	-	-	1.0	Nos
						Total: 6.00	Nos
④	Bracket and weatherproof installation kit for 50 meter IP camera.	1x1	-	-	-	1.0	Nos
		1x1	-	-	-	1.0	-
		1x1	-	-	-	1.0	-
		1x1	-	-	-	1.0	-
		1x1	-	-	-	1.0	-
		1x1	-	-	-	1.0	-
						Total: 6.00	Nos

Serial No.

Name of Work

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Number
1	2	
	5) outdoor 30 meter lp cameras Vision and can provide a V	1x 1x 1x 1x 1x 1x
	6) Bracket and weatherproof	1x

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357967

Serial No.
Name of Work From To
Name of Contractor of nature of Agency
Date of commencement of work

Contents	Reference to last Measurement
7	8
1.0 ✓	Nos
1.0 ✓	Nos
6.00 ✓	Nos
1.0 ✓	Nos
1.0 ✓	-11-
1.0 ✓	-11-
1.0 ✓	-11-
1.0 ✓	-11-
1.0 ✓	-11-
1.0 ✓	-11-
6.00 ✓	Nos

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	⑤ outdoor 30 meter IP cameras with IR and mounting bracket (with IR for day and night) Vision and can provide a viewing distance of 30 meter.						
		1x1	-	-	-	1.0 ✓	Nos
		1x1	-	-	-	1.0 ✓	-11-
		1x1	-	-	-	1.0 ✓	-11-
		1x1	-	-	-	1.0 ✓	-11-
		1x1	-	-	-	1.0 ✓	-11-
		1x1	-	-	-	1.0 ✓	-11-
					Total	6.0 ✓	Nos
	⑥ Bracket and weatherproof installation kit for 30 meter IP camera	1x1	-	-	-	1.0 ✓	Nos

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1x1	-	-	-	1.0 ✓	Nos
		1x1	-	-	-	1.0 ✓	-
		1x1	-	-	-	1.0 ✓	-
		1x1	-	-	-	1.0 ✓	-
		1x1	-	-	-	1.0 ✓	-
		Total: 6.0				✓	Nos
⑦	32 channel NVR DS 7732 NI-E4 (with 4S4 option) the control box and the recording device to connect up to 32 devices can be cascaded to provide additional cameras.	1x1	-	-	-	1.0 ✓	Nos
⑧	12TB NAS Box for Back up (NET GEAR) provides storage for the recorded data for Quick View back and storage	1x1	-	-	-	1.0 ✓	Nos
⑨	4TB SATA for storage and fitted in the NVR device for storage						

Serial No.
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date 1	Full description, etc, of work 2
	10) A Suitable sheet metal proof) the power supply and Box

OK

Depth 6	Contents 7	Reference to last Measurement 8
------------	---------------	--

-	1.0 ✓	Nos
-	1.0 ✓	-1-
-	1.0 ✓	-11-
-	1.0 ✓	-11-
-	1.0 ✓	-11-
Total:	6.0 ✓	Nos

ption) the control box and the
can be cascaded to provide

des storage for the recorded

- 1.0 ✓ Nos

NVR device for storage

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357968

Serial No.
Name of Work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	10) A suitable sheet metal control panel to house site equipments weather proof) the power supply and the ethernet connectivity adaptor is stored in this box	2x1 ✓	-	-	-	2.0 ✓	Nos
		2x1 ✓	-	-	-	2.0 ✓	Nos
		2x1 ✓	-	-	-	2.0 ✓	-11-
		2x1 ✓	-	-	-	2.0 ✓	-11-
		2x1 ✓	-	-	-	2.0 ✓	-11-
		2x1 ✓	-	-	-	2.0 ✓	-11-
		2x1 ✓	-	-	-	2.0 ✓	-11-
		Total: 12.00				12.00 ✓	Nos

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
⑪	power supply for the camera.	2x1	-	-	-	2.0 ✓	Nos
		2x1	-	-	-	2.0 ✓	-11-
		2x1	-	-	-	2.0 ✓	-11-
		2x1	-	-	-	2.0 ✓	-11-
		2x1	-	-	-	2.0 ✓	-11-
		2x1	-	-	-	2.0 ✓	-11-
		2x1	-	-	-	2.0 ✓	-11-
		Total: 12.00				12.00	Nos
12)	Ethernet switch for connectivity to Internet and camera	2x1	-	-	-	2.00 ✓	Nos
		2x1	-	-	-	2.00 ✓	-11-
		2x1	-	-	-	2.00 ✓	-11-
		2x1	-	-	-	2.00 ✓	-11-
		2x1	-	-	-	2.00 ✓	-11-
		2x1	-	-	-	2.00 ✓	-11-
		Total: 12.00				12.00	Nos

Serial No.
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date 1	Full description, etc, of work 2
13)	Supply and laying of 1
14)	Video mangager Appl on Video Display at 1) Defence Lyt 2) Daddabommasandra 3) Siv. M.V. Lyt 4) Camarabank Lyt 5) Narsipura 6) BEL Lyt

	Contents	Reference to last Measurement
Depth 6	7	8
-	2.0 ✓	Nos
-	2.0 ✓	-11-
-	2.0 ✓	-11-
-	2.0 ✓	-11-
-	2.0 ✓	-11-
-	2.0 ✓	-11-
Total: 12.00		Nos
net and Camera		
-	2.00 ✓	Nos
-	2.00 ✓	-11-
-	2.00 ✓	-11-
-	2.00 ✓	-11-
-	2.00 ✓	-11-
-	2.00 ✓	-11-
Total: 12.00		Nos

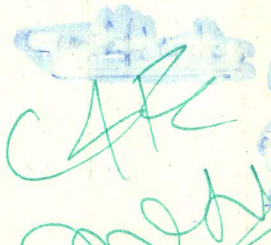
No. B 357969

Name of Contractor or Nature of work		Dimensions				Contents	Reference to last Measurement
Date	Full description, etc., of work	Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13)	Supply and laying of Network and power cables from Camera to the Control Box	9x1	—	—	—	9.0	Nos
14)	Video mangager Application software for Display and Management of Camera on Video Display						
	at 1) Defence Lyt	1x1	—	—	—	1.0	Nos
	2) Daddabommasandra	1x1	—	—	—	1.0	
	3) Srv. M.V. Lyt	1x1	—	—	—	1.0	
	4) Camarabank Lyt	1x1	—	—	—	1.0	
	5) Namasipura	1x1	—	—	—	1.0	
	6) BEL Lyt	1x1	—	—	—	1.0	
						Total = 5.0	Nos

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
15)	Installation, Erection and Commissioning charges.						
	1) Defence Layout 5th cross at Garbage Block spot	1x1	-	-	-	1.0	Nos
	2) Doddabommasanah Vyasa school Road (opposite Krishnachannan)	1x1	-	-	-	1.0	Nos
	3) Sir M.V Lyt (Near GKVK Double Road)	1x1	-	-	-	1.0	-11-
	4) Canara bank Lyt (Near Ganesh Temple Spot)	1x1	-	-	-	1.0	-11-
	5) Narasipura (Doddaganeswari Temple Arch near)	1x1	-	-	-	1.0	-11-

Serial No.
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date 1	Full description, etc, of work 2
	1) BEL Lyt (3rd Block Ganesh Temple)
	 ASSISTANT EXECUTIVE Vidyanayapura Su Bruhath Bengaluru Mah

BOOK

Width	Depth	Contents	Reference to last Measurement
6	7	8	
g changes.	1.0 ✓	Nos	
—	1.0 ✓	Nos	
—	1.0 ✓	—	
—	1.0 ✓	—	
—	1.0 ✓	—	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357970

Serial No.
 Name of Work From To
 Name of Contractor of nature of Agency
 Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4 BEL Lgt (3rd Block Ganesha Temple)	1x1	—	—	—	1.0 ✓	Nos
						Total: 6.00 ✓	Nos

ASSISTANT EXECUTIVE ENGINEER
 Vidyanarayana Sub-Division
 Bruhat Bengaluru Mahanagara Palike

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement		
		Number	Length	Breadth	Depth				
1	2	3	4	5	6	7	8		
		ABSTRACT STATEMENT							
SL No	Items	Previous Measurements unit	Qty	Cost	Present Measurements Qty	Rate	Amount	Total up to date Qty	Amount
1)	outdoor PLZ IP cameras with 20x optical zoom	Nos	~~1000~~	-	1.00	78462.00	78462.00	1.00	78462.00
2)	Bracket	Nos	-	-	6.00	4267.00	25602.00	6.00	25602.00
3)	out door 50meter IP camera with IR & mounting Bracket	Nos	-	-	6.00	21160.00	126960.00	6.00	126960.00
4)	Bracket with Waterproof installation kit for 50m IP camera	Nos	-	-	6.00	15450.00	9270.00	6.00	9270.00
5)	out door 30meter IP camera	Nos	-	-	6.00	15260.00	91560.00	6.00	91560.00
6)	Bracket with water proof installation kit for 30m IP camera	No	-	-	6.00	1491.00	8946.00	6.00	8946.00

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2
7)	32 Channel NVR DS 7732 N1-E4 (with 4 SATA optical control box N
8)	12 TB NAS Box for Back up
9)	4 TB SATA
10)	sheet metal control panel
11)	Power supply for camera
12)	Ethernet switch
13)	Power cables
14)	Video manager Application

OK

Depth 6	Contents 7	Reference to last Measurement 8
STATEMENT		
Measurements Rate Amount	Total up to date Qty Amount	
78462.00 78462.00	1.00 78462.00	
4267.00 25602.00	6.00 25602.00	
21160.00 126960.00	6.00 126960.00	
15450.00 9270.00	6.00 9270.00	
15260.00 91560.00	6.00 91560.00	
1491.00 8946.00	6.00 8946.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357971

Serial No.
Name of Work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
7)	32 Channel NVR DS 7732 N1-E4 (with 4 sata option) Control Box Nos	-11-	-11-	1.00	66982.00	66982.00	1.00 66982.00
8)	12 TB NAS Box for Rack Up Nos	-11-	-11-	1.00	257420.00	257420.00	1.00 257420.00
9)	4 TB SATA Nos	-11-	-11-	2.00	22350.00	45700.00	2.00 45700.00
10)	Sheet metal Control Panel Nos	-11-	-11-	12.00	1526.00	18312.00	12.00 18312.00
11)	Power supply for camera Nos	-11-	-11-	12.00	461.00	5532.00	12.00 5532.00
12)	Ethernet switch Nos	-11-	-11-	12.00	950.00	11400.00	12.00 11400.00
13)	Power cables Nos	-11-	-11-	9.00	389.00	3501.00	9.00 3501.00
14)	Video manger Application Nos	-11-	-11-	6.00	20000.00	120000.00	6.00 120000.00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2		Dimensions				Contents 7	Reference to last Measurement 8	
			Number 3	Length 4	Breadth 5	Depth 6			
15)	Installation, Erection & commissioning charges	Nos	-	-	6.00	5060.0	30360.00	6.00	30360.00
	Total :						900007.00		900007.00
	Add 10% service charges to KRDL						90000.70		90000.70
	Add 1% Labour Cess						9000.07		9000.07
	Grand Total						9,99,007.77		9,99,007.77
							9,99,008.00		9,99,008.00

(∴ Rupees Nine lakhs Ninety nine thousand Eight only).

Certificates :- 1) The contractor has done the work satisfactory.
2) No materials & issued from departmentally.

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bubath Repetition

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1 Full description, etc, of work 2

Rs. 9.99
Nine lakhs eighty eight thousand eight hundred and eighty eight only.
31/8

